



Town of Georgetown
Town Administrator

Memorial Town Hall, 1 Library Street, Georgetown, MA 01833
Ph. (978) 352-5755 ♦ Fax (978) 352-5727

MEMORANDUM

TO: Interested Vendors

FROM: Mike Farrell
Town Administrator

DATE: May 30, 2012

SUBJECT: Highway Materials Bid (**OPENING DATE OF 1:00 p.m., JULY 16, 2014**)

Attached you will find materials related to the Invitation for Bids for Highway Materials, including:

1. Bituminous concrete type I at plant and in place. Quote per ton
Estimated quantity for FY 2015 is 4,000 tons.
2. Fiber reinforced crack filling per gallon. Estimated quantity for FY 2015 is 7,500 gallons.
3. Rehabilitation, Asphalt Pavement.

The packet contains:

1. Copy of the legal ad for highway materials
2. Specification for the materials noted above
3. Attachment "A" —(1) Certificate As to Corporate Bidder; (2) Certificate as to Payment of State Taxes; (3) Certificate of Non-collusion; and (4) Certificate of Fair labor practices

(Bidders are advised that Prevailing Wage Rates are applicable to this project and will be supplied to the bidders, as appropriate for the product being bid.)

Submission requirements:

1. Sealed bids will be accepted at the office of the Town Administrator, Town Hall, 1 Library Street, Georgetown, MA 01833 until **12.00 p.m. Wednesday July 16, 2014** Bids will be publicly opened and read at 1:00 p.m. the same day.. Bids shall be plainly marked: **“Bid: Highway Materials.”**
2. Faxed or emailed bids will not be accepted
3. Bid deposits required as specified in several of the specifications
4. Bidders are to submit 2 copies of their bids.
5. Completed “Attachment A” forms must be included in bid packet

Thank you for your interest in this project.

**TOWN OF GEORGETOWN
INVITATION TO BID, HIGHWAY MATERIALS**

The Town of Georgetown invites bids on the following road materials and services for Fiscal 2015 for the Highway Department. All materials must conform to the latest specifications of the Massachusetts Highway Department. Bids are requested on: bituminous concrete type I at plant and in place, cold patch at plant, fiber reinforced crack filling (per gallon), resurfacing existing sidewalks, and pavement rehabilitation.

Specifications and bid forms may be obtained online at the Town Web site www.georgetownma.gov under the Town's Web Procurement Desk or at the office of the Town Administrator during regular business hours, Monday through Thursday, 8:00 a.m. until 4:00 p.m. Closed Fridays.

RULE FOR AWARD

The Board of Selectmen is the awarding authority for this project. The Town (Board of Selectmen) reserves the right to accept any bid, or reject any bid deemed not to be in the best interest of the Town of Georgetown. The Town reserves the right to waive or permit correction of minor informalities and to conduct discussions with all qualified offers in any manner necessary to serve the best interests of the Town.

Sealed bids will be accepted at the office of the Town Administrator, Town Hall, 1 Library Street, Georgetown, MA 01833 until 12.00 p.m. Noon Wednesday July 16, 2014. All bids will be publicly opened and read at 1:00 p.m. the same day. Bids shall be plainly marked: "Bid: Highway Materials."

All bidders submitting bids are required to include their "Certificate of Approval Form R-109" from the MassHighway Construction Contracts Office.

The Town of Georgetown reserves the right to reject any or all bids and to accept any bid deemed to be in the best interest of the Town.

Mike Farrell
Town Administrator/Chief Procurement Officer

TOWN OF GEORGETOWN

Specifications for Type I Bituminous Concrete

All bidders shall submit their proposals upon the bid sheets contained herein. He/she may bid on any or all of the items contained on the bid sheets. Prices must be **typed** or **written in ink** in the space provided on the bid sheets.

Each proposal must be submitted with a Certified Check, Treasurer's Check, or Bid Bond in the amount of 5% of bid payable to the Town of Georgetown.

Bidders may be required to prove that he/she has the ability, experience, plant equipment, facilities, and financial resources to furnish the materials and perform the services in a satisfactory manner.

Successful bidders will be required to execute a Performance Bond for 100% of the contract value. Successful bidders will be required to execute a payment bond in an amount equal to 50% of the contract value as security for the payment of all persons performing labor on the projects under this contract and furnishing materials in connection with this contract. All bidders must submit a copy of their MassHighway Pre-qualification "Certificate of Approval Form R-109" to obtain specifications.

Emulsion and tack coating will be applied in such quantities as the Town directs and the cost of same shall be incorporated as part of the bid price for Item #2 on the bid form.

The supplier of bituminous concrete in place will be responsible for providing the equipment necessary to complete the work in the Town of Georgetown. Said equipment will be owned and operated by the successful bidder. No subletting or subcontracting of work will be allowed without the express permission of the Town of Georgetown.

The successful bidder of bituminous concrete in place, shall assign the work in Georgetown to an experienced foreman who is acceptable to the Town of Georgetown in terms of his experience and his performance on the job. This foreman shall not have any other assignments such as operating equipment, and no work will be permitted to be done without his direct supervision. Failure to comply with this condition will disqualify the supplier of bituminous concrete for the remainder of the season and said disqualification will be taken into consideration with respect to the bidder's disqualification for future years.

The contractor shall bear all losses resulting to him due to the amount or character of work, or due to the weather elements or other causes; and he shall assume the defense of, and indemnify and save harmless the Town of Georgetown and its officers and agents, from all claims relating to labor and materials furnished for the work; to injuries to any person or corporation received or sustained by or from the contractor and his employees in doing the work or in the consequence of any improper materials, implements or labor used therein; and to any act, omission or neglect of the contractor and his employees therein.

All materials furnished and installed, shall meet the requirements of the most recent specifications of the Commonwealth of Massachusetts, Department of Public Works, currently in effect.

All materials furnished and installed, shall be in accordance with the specifications for them contained in "Standard Specifications for Highways and Bridges" of the Massachusetts Department of Public Works, 1988 edition as amended.

No material shall be applied during rainy weather, or when the weather conditions as to temperature or otherwise are, in the opinion of the Town, unsatisfactory for obtaining good results.

Where the contractor is required to furnish and apply the material, the material shall be applied to such grade and widths as the department concerned may direct. All applications shall be at such time and such place as the Town directs. Other Town agencies may elect to utilize this contract, including but not limited to, the School Department, Parks and Cemeteries, Housing Authority, etc. The Town reserves the right to select the type of bituminous concrete to be applied, ie: binder, top, modified top, FAA runway mix, etc. at no additional charge.

Wages to be paid the various classes of employees used in this work shall be in accordance with the current list established by the Department of Labor and Industries. Certified payrolls shall be forwarded to the Town on a weekly basis. No payment will be made until certified payrolls are received.

Price Adjustment Clause:

This contract will contain a price adjustment provision for bituminous concrete mixtures. The base price for liquid asphalt shall be \$615.00 per ton, based on the May 2014 posting on the MassHighway website using the "New Asphalt Period Price Method". A price adjustment, upward or downward, will be made monthly. Adjustments to the bid price shall be \$0.055 per bituminous concrete ton for every \$1.00 increase or decrease in the cost per liquid ton. The price adjustment will only be applied if the variance from the Base Price is 5% or greater.

This contract may be extended for not more than two (2) additional twelve (12) month periods, under the same terms, conditions, and prices at the sole discretion of the Town.

TOWN OF GEORGETOWN

BID FORM

BITUMINOUS CONCRETE

1. Type I Bituminous Concrete at Plant per ton \$ _____
2. Type I Bituminous Concrete in Place per ton \$ _____
3. Bituminous Concrete Curb Standard in Place per L/F \$ _____
4. Type I Bituminous Concrete Handwork in Place per ton \$ _____
5. Dura Patch or equivalent at Plant per ton \$ _____

Name of Company: _____

Address: _____

Signature of Authorized Official: _____

Date: _____

TOWN OF GEORGETOWN

CRACK FILLING SPECIFICATIONS

Description

Work under this contract shall consist of cleaning and filling cracks in existing asphalt pavements or asphalt concrete overlays with fiber reinforced asphalt cement.

Materials

1. Asphalt Cement

The asphalt cement shall be paving grade AC-10 or AC-20 asphalt with a penetration of 75-100.

2. Fibers

The fibers shall be composed of short length polyester having the following properties:

Carbon Black Impregnated	
Length	7 mm
Diameter	0.0008 inch +/- 0.0001 inch
Specific Gravity	1.32 - 1.40
Melt Temperature	480 degrees F. minimum
Ignition Temperature	1,000 degrees F. minimum
Tensile Strength	75,000 PSI +/- 5,000 PSI
Break Elongation	33% +/- 9% (fully drawn)

3. Composition of Sealant Mixture

The following asphalt cement and fiber proportions shall apply:

<u>Asphalt Grade</u>	<u>Minimum % Polyester by Weight of Asphalt</u>
AC 10 or AC 20	5.0

4. Mixing Temperatures

The sealant shall be mixed at the temperatures recommended by the fiber manufacturer but shall not exceed 325 degrees Fahrenheit.

Construction Details

1. Crack Preparation

Prior to application of the sealant all cracks shall be thoroughly cleaned by air blasting, such that all dust, dirt, vegetation and moisture is removed. The cracks shall be cleaned a minimum of 3/4" deep and all debris shall be removed from the pavement to prevent recontamination of the crack.

2. Preparation of Asphalt Fiber Mixture

The Contractor shall obtain a copy of the manufacturer's recommendations pertaining to the heating, mixing, and application of the sealant. These recommendations shall be adhered to and followed by the Contractor with such expectations as this specification may require.

The sealant shall be heated in a melter constructed as a double boiler, with the space between the inner and outer shells filled with oil or other heat-transfer medium. Direct heating will not be used. Positive temperature control, mechanical agitation, and a recirculating pump shall be used. The unit shall be provided with separate thermometers to indicate the temperature of the heat transfer medium and the sealant material in the hopper. The mixing unit shall be capable of maintaining the specified mixing temperature, with an allowable variation of 10 degrees Fahrenheit. Storage and subsequent reheating of the fiber mixture will be allowed only if, after reheating, the fiber mixture meets all of the requirements listed in this specification.

The application wand shall produce a band aid type appearance of at least one and one half inches on each side of the crack, as well as filling the crack. The process is called extruding.

The discharge hose shall be equipped with a controlled heating apparatus or shall be insulated sufficiently to maintain the proper sealant temperature. The application wand shall be returned to the machine and the material recirculated immediately upon completion of each crack sealing.

3. Application of Sealant

The sealant shall not be placed when pavement or ambient temperatures fall below 40 degrees Fahrenheit. The sealant shall be pumped directly into the crack or joint from the mixing unit. The sealant shall overlay the crack at the pavement surface. The height of the sealant above the pavement surface shall not exceed 1/8".

Blotting with fine aggregate shall directly follow sealant application if traffic results in tracking of the crack sealing material.

4. Traffic Control

Traffic control is the sole responsibility of the Town of Georgetown. Unless otherwise specified, the roadway shall be kept open to traffic at all times, with traffic discontinued on the lane being crack filled. Traffic may be permitted on the crack filled section as soon as tracking does not result.

5. Method of Measurement

The quantity to be paid for shall be the actual number of gallons of sealant used to complete the work.

6. Performance

The Town of Georgetown will not award this contract unless the Contractor furnishes satisfactory evidence of his/her ability and experience to perform this work, and that he/she has sufficient capital and equipment to enable him/her to prosecute the work successfully and to complete it within the time named in the contract. The Contractor must submit with the bid proposal a list of six jobs which he/she has successfully completed, giving the name and address of these projects so they can be investigated prior to the award of the contract.

7. Bonds

Successful bidders will be required to execute a Performance Bond for 100% of the contract value. Successful bidders will be required to execute a payment bond in an amount equal to 50% of the contract value as security for the payment of all persons performing labor on the projects under this contract and furnishing materials in connection with this contract.

8. Basis of Payment

The unit price per gallon shall include the cost of all labor, equipment and materials necessary to complete the work.

9. Insurance Requirements

Successful bidder must provide insurance certificates listing the Town of Georgetown as an additional insured. General Liability, Auto Liability and Workmen's Compensation are to be provided. General Liability minimum of \$1,000,000 dollars.

10. Contract Extension

This contract may be extended for not more than two (2) additional twelve (12) month periods, under the same terms, conditions, and prices, at the sole discretion of the Town.

TOWN OF GEORGETOWN
BID FORM
FIBER REINFORCED CRACK FILLING

Price per gallon

Name of Company:

Address:

Signature of Authorized Official:

Date:

TOWN OF GEORGETOWN

REHABILITATING EXISTING ASPHALT PAVEMENT

Scope of Work

The work shall consist of scarifying the existing bituminous paved area to form an asphalted stabilized base.

Construction Methods

The existing road pavement shall be scarified and mixed with an equal amount of the gravel base existing in the roadway foundation. The mixture of scarified pavement and equal amount of gravel base shall be crushed simultaneously so that the friction heat generated from the crushing operation will allow the asphalt content of scarified pavement to coat the fines of the virgin gravel base. This simultaneous crushing blend the asphalt and gravel fines into a homogeneous mass, utilizing the asphalt acquired from the existing pavement as a stabilizer which bonds the material together when compacted. The crushed material shall meet the following gradation:

<u>Sieve Designation</u>	<u>Percentage by Passing Weight</u>
3"	100
1 1/2"	70 - 100
3/4"	55 - 90
#4	40 - 75
#40	10 - 30
#200	3 - 10

The method used shall ensure that the entire mass of material so worked shall be uniformly graded to these specifications. If additional fines are required, the Contractor may be directed to add material, furnished by others, or he may add material directly from the existing roadway foundation with approval of the Superintendent of Highways, but scarified pavement and gravel fines must be crushed together. After the material has been thoroughly worked as described in the above paragraph, it shall be shaped and graded to the lines and elevations as shown on plans and cross sections or as directed by the Superintendent of Highways.

Dust control is the responsibility of the Contractor. The Superintendent of Highways may direct the Contractor to implement dust control at any time.

The restored cross-section shall be thoroughly compacted to a dense consolidated mass by rolling with a steel wheel roller weighting not less than 14 tons. The required density, as approved by the Superintendent of Highways, shall be determined by the number of passes of said rollers to produce the maximum and uniform density throughout the entire area of the work to be done under this item as established upon a test area at the job site by the sand volume method or the nuclear device. The Contractor, as soon as practical, shall prepare a test section of sufficient area to enable the Superintendent of Highways to conduct the necessary test.

The finished pavement shall be tested for smoothness and accuracy of grade and if any portions are found to lack required smoothness or accuracy, such portions shall be re-scarified, reshaped, re-compacted, and otherwise manipulated as the Superintendent of Highways may direct until the required smoothness and accuracy are obtained. The finished surface shall be such that it will not vary more than three eighths (3/8) inch from a ten (10) foot straight edge applied to the surface paralleled to or at right angles to the centerline. Contractor is responsible for all finish grades and is also responsible for drainage profile insuring the proper drainage of reconstructed areas. In general, equipment such as Ateco Rear Mounted Crusher, and "road planer" or "cold-milling" road machine which is designed to "mill" and/or "shred" the existing bituminous concrete pavement course rather than crush and fracture it, is not considered capable of achieving the specifications gradation. The scraping action of the "milling" type of equipment causes an increase in the percentage of fine aggregate obtained and the "milling" type equipment does not have the capability of crushing/pulverizing the large course aggregate from broken pavement (2" - 6" portions) and cobbles (2" - 6") that might occur in the base.

It is the responsibility of the Contractor submitting proposals for the work to assure himself that the equipment/construction methods he intends to use are capable of complying with project specifications. The attention of each Contractor submitting a Proposal is directed to that portion of the project specifications which required the Contractor to demonstrate to the Superintendent of Highways the ability of his crew(s) and equipment to comply with the specifications requirements and to do so at a rate of production consistent with the time allowed under the contract. In submitting proposals for this work, Contractors are required to identify specific equipment to be used on the project.

Method of Measurement

The yardage to be paid for shall be the number of square yards of pavement rehabilitated or reclaimed in place, in accordance with the plans and as directed, completed and accepted.

Basis of Payment

Payment will be made at the contract unit price per square yard of rehabilitated and reclaimed pavement, including regrading, compaction and fine grading ready to receive a new bituminous concrete surface.

Provisions for Travel and Prosecution of Work

The work shall be constructed one half (1/2) width at a time to allow for passage of through traffic. Access to property of abutters is to be provided as necessary.

Utilities

Utility poles will be moved where necessary by the respective companies at their own expense.

The Contractor shall contact the respective utility companies (Dig Safe) and must be exceedingly careful not to disturb or break existing manholes, catch basins, valve boxes, and other castings which may be located in the surface of the road.

Successful bidders shall furnish the Town of Georgetown with Certificates of Insurance showing Auto Liability and Workers Compensation coverages. Said Certificates will list the Town of Georgetown as an additional insured. General Liability minimum to be \$1,000,000 dollars.

This contract may be extended for not more than two (2) additional twelve (12) month periods, under the same terms, conditions, and prices, at the sole discretion of the Town.

Bonds

Successful bidders will be required to execute a Performance Bond for 100% of the contract value. Successful bidders will be required to execute a payment bond in an amount equal to 50% of the contract value as security for the payment of all persons performing labor on the projects under this contract and furnishing materials in connection with this contract.

Work to be done by Others

The Town will do all clearing and grubbing, drainage, reset signs, mail boxes, guard rails, furnish traffic police as required, barricades, warning lights, etc. Line and grading stakes will be furnished by the Contractor.

The following quoted price per square yard shall include the furnishing of all materials (except as otherwise herein specified), the performing of all the labor requisite or proper, the providing of all necessary machinery, tools, apparatus and other means of construction. The Contractor shall list the equipment (process) he intends to utilize in completing this work.

Price Per Square Yard for Reclaimed Asphaltic Base
Complete in Place

Attachment A—(1) Certificate As to Corporate Bidder; (2) Certificate as to Payment of State Taxes; (3) Certificate of Non-collusion; and (4) Certificate of Fair labor practices

(1) CERTIFICATE AS TO CORPORATE BIDDER

I, _____ certify that I am the _____ of the corporation named as Bidder in the Bid included herein, that _____, who signed said Bid on behalf of the Bidder was then _____ of said corporation, that I know his signature, that his signature thereon is genuine and that said Bid was duly signed, sealed and executed for and in behalf of said corporation by authority of its governing body.

(Corporate Seal)

(Secretary-Clerk)

Dated: _____

(2) CERTIFICATE AS TO PAYMENT OF STATE TAXES

Pursuant to M.G.L. Ch. 62C, sec. 49A, I certify under the penalties of perjury that I, to my best knowledge and belief, have filed all state tax returns and paid all state taxes required under law.

Social Security Number or
Federal Identification Number

Signature of Individual or Corporate
Name

By: _____
Corporate Officer (if applicable)

(3) CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

(Name of person signing bid or proposal)

(Name of Business)

(4) CERTIFICATE OF FAIR LABOR PRACTICES

The undersigned certifies under penalties of perjury that in accordance with Section 504 of the (Federal) Rehabilitation Act of 1973 and 31 Code of Federal Regulations, Part 51, his/her company does not discriminate on its employment, procurement and marketing activities on the basis of race, creed, color national origin, sex, handicap or age.

(Name of person signing bid or proposal)

(Name of Business)